

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P60206PCT	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/EP2005/000698	International filing date (day/month/year) 20/01/2005	(Earliest) Priority Date (day/month/year) 29/01/2004
Applicant ATOTECH DEUTSCHLAND GMBH		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 4 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 1

☒ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☐ as selected by this Authority, because this figure better characterizes the invention.

- b. ☐ none of the figures is to be published with the abstract.

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2005/000698A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H05K3/46 H05K3/18 H05K3/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 H05K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/129972 A1 (KONRAD JOHN JOSEPH ET AL) 19 September 2002 (2002-09-19) paragraphs '0018! - '0039!; figures 1a-1e -----	1-17
A	US 5 382 315 A (KUMAR ET AL) 17 January 1995 (1995-01-17) column 5, lines 29-36 column 8, lines 15-25 column 8, lines 38-48 column 8, line 65 - column 9, line 5; figures 4,6 -----	1-17
A	EP 0 817 549 A (NGK SPARK PLUG CO. LTD) 7 January 1998 (1998-01-07) column 14, line 3 - column 18, line 18; figure 7 ----- -/--	1-17

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

18 April 2005

Date of mailing of the international search report

29/04/2005

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INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2005/000698

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1 376 234 A (NIPPON PAINT CO., LTD) 2 January 2004 (2004-01-02) paragraphs '0023! - '0033!; figures 1,2 -----	1-17

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2005/000698

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2002129972	A1	19-09-2002	US 2004064939	A1	08-04-2004
US 5382315	A	17-01-1995	US 5244538	A	14-09-1993
			US 5312514	A	17-05-1994
			US 5290732	A	01-03-1994
			US 5156997	A	20-10-1992
			AU 6668794	A	21-11-1994
			WO 9425976	A1	10-11-1994
			US 5399238	A	21-03-1995
			US 5331172	A	19-07-1994
			JP 7501419	T	09-02-1995
			WO 9214260	A1	20-08-1992
EP 0817549	A	07-01-1998	JP 10075038	A	17-03-1998
			EP 0817549	A2	07-01-1998
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			US 2004086806	A1	06-05-2004
			WO 02077713	A1	03-10-2002
			JP 2002365805	A	18-12-2002
			TW 535475	B	01-06-2003